

COMPRESSOR DISCHARGE CHAMBER WITH BAFFLE PLATE

ABSTRACT OF THE DISCLOSURE

A screw compressor is provided with a discharge chamber that receives alternating flows of compressed fluid from two compression chambers located on opposed sides of the screw compressor. The discharge chamber is provided with a central baffle plate separating the two flows. The baffle plate changes the fluid frequency of the system, and ensures that the fluid system will not operate at a frequency that approaches the natural frequency of the overall compressor, thus reducing undesirable vibrations. The baffle plate also reduces the magnitude of the fluctuations and the resultant noise.

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